Recipes

Find a recipe for 4 people and rewrite it for 8 people, e.g.

- 4 people 8 people
- 125g flour 250g flour
- 50g butter 100g butter
- 75g sugar 150g sugar
- 30ml treacle 60ml treacle
- 1 teaspoon ginger 2 teaspoons ginger

Can you rewrite it for 3 or 6 people? Or 25 people? Can you convert it into ounces?

Fours

- -Use exactly four 4s each time.
- You can add, subtract, multiply or divide them.
- Can you make each number from 1 to 100?
- Here are some ways of making the first two numbers.

1 = (4 + 4)/(4 + 4)

$$2 = 4/4 + 4/4$$

Journeys .

Ask your child to work out how long it would take to travel to some places in England if you travelled at an average of 60 miles per hour, i.e. 1 mile per minute, e.g. York to Preston: 90 miles 1 hour 30 minutes York to Dover: 280 miles 4 hours 40 minutes How many km is it away from home? Convert from miles to km.

Times Tables and number bonds. Please ensure your child has the opportunity to regularly use on line sites which support the quick recall of number facts: https://www.topmarks.co.uk/maths-games/hit-the-button HIT the Button https://www.topmarks.co.uk/maths-games/hit-the-button HIT the Button https://https/https://https/https://https/https://https://https:/



99 100















Help your child with mathematics.



Year 6 Targets.

By the end of Year 6, most children should be able to:

- \Rightarrow Read, write, order and compare numbers to at least 10 million
- ⇒ Interpret negative numbers in context and calculate intervals across zero
- \Rightarrow Round any number to the required degree of accuracy
- ⇒ Use long multiplication to multiply 4 digit numbers by 2 digit numbers.
- \Rightarrow Use long division to divide larger numbers
- \Rightarrow Identify common factors, multiples and prime numbers
- \Rightarrow Solve addition and subtraction multi step problems
- \Rightarrow Simplify fractions
- ⇒ Add and subtract fractions with different denominators
- \Rightarrow Multiply fractions

Activities to do at home

One million pounds

- Assume you have £1 000 000 to spend or give away.
- Plan with your child what to do with it, down to the last penny

Favourite food

- Ask your child the cost of a favourite item of food.
- Ask them to work out what 17 of them would cost, or 28, or 59.
- How much change would there be from £50 or £500
- Repeat with his / her least favourite food.
- What is the difference in cost between the two?

Sale of the century

• When you go shopping, or see a shop with a sale on, ask your child to work out what some items would cost with:

50% off

25% off

10% off

5% off

15% off

- Ask your child to explain how he/she worked it out.

TV addicts

- Ask your child to keep a record of how long he / she watches teach day for a week. Then ask him / her to do this.
- Work out the total watching time for the week.
- Work out the average watching time for a day
- Instead of watching TV, you could ask them to keep a record of
- time spent eating meals, or playing outdoors, or anything else they do each day. Then work out the daily average.

Questions you could ask your child as they are

doing their Mathematics.

- What is the same or different about these numbers, sums, processes?
- How could you organise your learning?
- Can you show me an example?
- What are the connections between...?
- What do you notice?
- When is it not true?
- Can you find another example?
- Can you find an example that does not work?
- How can you be sure?
- What question can you ask next?
- Can you explain why that happens?
- Can you describe...?
- Can you do this mentally?

- \Rightarrow Multiply and divide decimals
- \Rightarrow Use equivalences between percentages, fractions and decimals
- \Rightarrow Construct and interpret pie charts
- \Rightarrow Calculate the mean as an average
- \Rightarrow Make nets of 2-d shapes
- ⇒ Illustrate and name parts of circles including radius,
 diameter and circumference
- \Rightarrow Use coordinates in all 4 quadrants
- \Rightarrow Draw, translate and reflect shapes in different axes
- \Rightarrow Convert miles and km
- \Rightarrow Calculate the area of parallelograms and triangles
- \Rightarrow Calculate the volume of cubes and cuboids
- \Rightarrow Express missing number problems algebraically.
- ⇒ These are examples of some of the mathematical targets
 your child is working towards this year.

Standard Methods for the four operations.

Please visit the school website (in the curriculum section) where you can find video demonstrations of each of the Standard Methods for addition, subtraction, multiplication and division, from Year 3 through to Year 6.

ADDITION

column addition above and beyond 4 digits and including decimals.

e.g.

83	54.6
+ 42	+ 25.9
120	80.5
5	11
125	

	tt i						
4321		5	6	5	7	2	3
+ 3959	+	3	7	3	6	2	7
8280		9	3	9	3	5	ζ
11		1					

SUBTRACTION

column subtraction above and beyond 4 digits and including decimals.

e.g.

4.9	1,2	47
- 1.7	28.1	6 5.1 8.2
3.2	-157	- 4836
	74	60346

					_	
	\$	6	5	X	'n	3
-	3	7	3	6	2	٦
	1	9	2.	0	9	Ь

MULTIPLICATION

1) short multiplication methods e.g.

49	49	345
X 2	X 2	x 5
18	98	1725
80	1	22
98		

2) Long multiplication method e.g.

345 X 53	
1035	(345x3)
17250	(345 x50
18285	



DIVISION

1) short division

7 18,2 e.g.

> 132 120

> > 12

2) short division with remainders e.g. or 92 3/5 or decimal 92.6 92r3 5 46.3 3) Long division 28r12 28r12 15 4 3 2 15 \ 432 300 -30 🕈

132

-120

12

		0	0	5	4	3		2	4
2	4	1	3	0	3	2		4	8
	-	1	2	0	4			7	2
		(1	Z	3			9	6
	-			9	6	1	1	2	0
				0	7	2			
	-				7	Z			
					0	0			